

**PATENT**

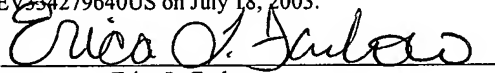
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of:	)	
	)	Group Art Unit: Unassigned
Hardayal Gill	)	
	)	Examiner: Unassigned
Application No. Unassigned	)	
	)	Atty. Docket No. HIT1P026/
	)	HSJ9-2003-0145US1
Filed: Herewith	)	
	)	Date: July 18, 2003
For: SENSOR WITH IMPROVED SELF-	)	
PINNED STRUCTURE	)	

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail in an envelope addressed to: Commissioner for Patents, Alexandria, VA 22313-1450 with label number EV334279640US on July 18, 2003.

Signed:

  
Erica L. Farlow

INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR §§ 1.56 AND 1.97(b)

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

The references listed in the attached PTO Form 1449, copies of which are attached, may be material to examination of the above-identified patent application. Applicants submit these references in compliance with their duty of disclosure pursuant to 37 CFR §§ 1.56 and 1.97. The Examiner is requested to make these references of official record in this application.

This Information Disclosure Statement is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that these references indeed constitute prior art.

This Information Disclosure Statement is believed to be filed before the mailing date of a first Office Action on the merits. Accordingly, it is believed that no fees are due in connection with the filing of this Information Disclosure Statement. However, if it is determined that any fees are due, the Commissioner is hereby authorized to charge such fees to Deposit Account 50-2587 (Order No. HSJ920030145US1/HIT1P026).

Respectfully submitted,  
Silicon Valley IP Group, PC

A handwritten signature in black ink, appearing to read 'D. Kotab', with a horizontal line extending to the right.

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<b>Form 1449 (Modified)</b>  <b>Information Disclosure Statement By Applicant</b>  (Use Several Sheets if Necessary)	Atty. Docket No.	Application No.:
	HIT1P026 /	Unassigned
	HSJ9-2003-0145US1	
	Applicant:	
	H. Gill	
	Filing Date:	Group Art Unit:
	Herewith	Unassigned

**U.S. Patent Documents**

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
	A	6,515,573	02/04/2003	Dong et al.	338	32	06/19/2000
	B	6,501,626	12/31/2002	Gill	360	324.11	05/03/2000
	C	6,396,668	05/28/2002	Mao et al.	360	314	07/24/2000
	D	6,327,121	12/04/2001	Nagasawa et al.	360	324.11	11/13/1998
	E	6,292,335	09/18/2001	Gill	360	324.11	06/25/1999
	F	6,150,045	11/21/2000	Saito et al.	428	692	09/16/1998
	G	6,074,767	06/13/2000	Lin	428	692	03/12/1998
	H	6,064,552	05/16/2000	Iwasaki et al.	360	113	03/17/1998
	I	6,046,891	04/04/2000	Yoda et al.	360	113	02/11/1998
	J	5,661,621	08/26/1997	Kobayashi et al.	360	113	07/31/1995
	K	5,657,191	08/12/1997	Yuan	360	113	09/18/1995
	L	2001/0028541	10/11/2001	Gill	360	324.12	06/11/2001

**Foreign Patent or Published Foreign Patent Application**

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation	
							Yes	No
	M	2001-160640	12.06.2001	JP	H01L	43/08		
	N	2002-270920	20.09.2002	JP	H01L	43/08		
	O	2000-163717	16.06.2000	JP	G11B	5/39		
	P							

**Other Documents**

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
	R	Cho, Hae Seok, "Effect of Pinning Field on the Magnetization in Patterned Synthetic Antiferromagnetic Spin Valves," Journal of Applied Physics, May 1, 2000, Volume 87, Number 9
	S	
	T	
Examiner		Date Considered

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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**U.S. Patent Documents**

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
	A	2001/0053052	12/20/2001	Ihara et al.	360	324.1	03/06/2001
	B	2001/0050834	12/13/2001	Hasegawa et al.	360	324.12	06/25/2001
	C	2002/0154456	10/24/2002	Carey et al.	360	324.11	04/24/2001
	D	2002/0114113	08/22/2002	Lederman et al.	360	324.11	03/28/2002
	E	2002/0114111	08/22/2002	Zhu	360	324.11	02/20/2001
	F	2002/0097538	07/25/2002	Seyama et al.	360	324.11	03/29/2001
	G	2002/0085323	07/04/2002	Smith et al.	360	324.12	01/04/2001
	H	6,411,478	06/25/2002	Mao et al.	360	324.2	02/08/2000
	I						
	J						
	K						
	L						

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							Yes	No
	M							
	N							
	O							
	P							

**Other Documents**

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	R	
	S	
	T	
Examiner		Date Considered

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